

Misc Stream Valley Improvements -- No. 807359

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 23, 2009
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	3,534	0	354	3,180	530	530	530	530	530	530	0
Land	54	0	24	30	5	5	5	5	5	5	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	5,561	0	401	5,160	860	860	860	860	860	860	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	9,149	0	779	8,370	1,395	1,395	1,395	1,395	1,395	1,395	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	3,331	0	31	3,300	550	550	550	550	550	550	0
State Aid	2,278	0	748	1,530	255	255	255	255	255	255	0
Stormwater Management Waiver Fees	1,428	0	0	1,428	263	233	233	233	233	233	0
Water Quality Protection Charge	2,112	0	0	2,112	327	357	357	357	357	357	0
Total	9,149	0	779	8,370	1,395	1,395	1,395	1,395	1,395	1,395	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				294	14	28	42	56	70	84
Net Impact				294	14	28	42	56	70	84

DESCRIPTION

This project designs and constructs habitat restoration or stabilization measures to stream reaches having severe channel erosion, sedimentation, and habitat degradation. Absent modern stormwater controls, the stream environment is impacted by excessive stream flow volumes and velocities which severely erode stream banks and cause excessive sedimentation, loss of trees, eroding stream banks, loss of habitat for fish and aquatic life, and/or local flooding damage. Damaged storm drain outfalls in project areas are identified and assessed to determine repair needs. Where possible, outfalls are repaired as part of stream restoration projects and funded from the Outfall Repairs project. When feasible, outfall discharges are redirected to create small constructed wetlands which provide new habitat and mitigate discharge impacts. Stream erosion impacts sanitary sewers crossing the stream, exposing sewer lines and manholes. Exposed and damaged sewer lines can be fish barriers and can leak raw sewage into streams or allow infiltration of stream baseflow into the sewer system, potentially causing substantial increases in wastewater treatment costs. Department of Environmental Protection identifies damaged sewer lines as part of the project and Washington Suburban Sanitary Commission makes sewer repairs during project construction.

COST CHANGE

Increase due to the addition of FY13 and FY14 to this ongoing project.

JUSTIFICATION

The project will stabilize and improve local stream habitat conditions where streams have been damaged by inadequately controlled stormwater runoff. This project supports the Chesapeake Bay initiatives and the Anacostia Watershed Restoration Agreement, addresses County municipal National Pollutant Discharge Elimination System (NPDES) stormwater discharge permit requirements, and implements the County's adopted water quality goals (Chapter 19, Article IV). Corrective measures constructed or coordinated under this project include stream bank stabilization, channel modifications, storm drain outfall or sanitary sewer repairs and habitat restoration to improve fish and other biological resources, and reduce sediment and nutrient loading caused by excessive streambank erosion.

Watershed studies, conducted under Facility Planning: SM, identify and prioritize stream reaches in need of restoration and protection. Studies completed in Paint Branch, Rock Creek, Cabin John Creek, Hawlings River, and Northwest Branch have identified over 250 potential stream restoration projects for future design and construction. The Countywide Stream Protection Strategy (DEP 2003) is used to target projects in priority subwatersheds.

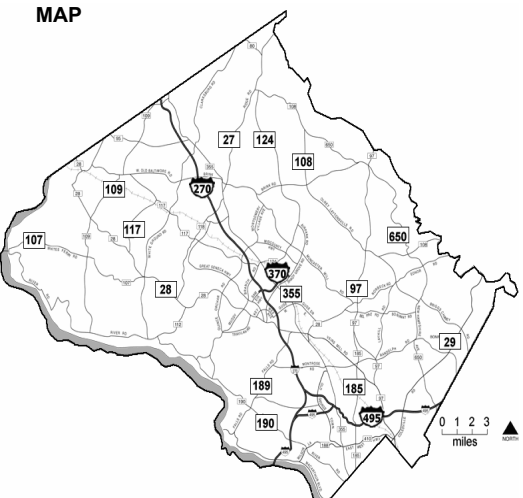
OTHER

Remedial project activities are primarily located in areas developed prior to the County's Stormwater Management law.

Phased project groupings planned for FY08-10 are as follows. Construction FY08: Turkey Branch, Alta Vista, Booze Creek. Design FY08 and construction FY09: Glenallan and Pine Lake tributaries, Donnybrook tributary, Hollywood Branch I. Design FY09 and construction FY10: Cold Spring tributary, Snowden / Falling Creek and Stonybrook tributary.

FISCAL NOTE

Starting in FY09 Water Quality Protection Charge is applied to this project to offset the decrease in Stormwater Waiver Fees.

APPROPRIATION AND EXPENDITURE DATA			COORDINATION		MAP
Date First Appropriation	FY73	(\$000)	Department of Environmental Protection	Department of Transportation	
First Cost Estimate	FY10	9,149	Maryland-National Capital Park and Planning Commission	Washington Suburban Sanitary Commission	
Current Scope			Department of Permitting Services	Montgomery County Conservation Corps	
Last FY's Cost Estimate		10,880			
Appropriation Request	FY10	1,395			
Supplemental Appropriation Request		0			
Transfer		0			
Cumulative Appropriation		2,174			
Expenditures / Encumbrances		604			
Unencumbered Balance		1,570			
Partial Closeout Thru	FY07	10,869			
New Partial Closeout	FY08	1,732			
Total Partial Closeout		12,601			

Misc Stream Valley Improvements -- No. 807359 (continued)

OTHER DISCLOSURES

- The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.
- * Expenditures will continue indefinitely.